MONTIGO

Gas Conversion Instructions

For Mobile /Manufactured Home approved models:

- DXFS
- DFSP
- DXFS-MH
- DFSP-MH

This appliance may be installed as an OEM installation in a **manufactured (mobile) home** and must be installed in accordance with the manufacturer's instructions and the manufactured home construction and safety standard, *Title 24 CFR, Part 3280* or Standard for Installation in *Mobile Homes, CAN / CSA Z240 MH*.
This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Warning: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- *Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.*
- What To Do If You Smell Gas:
  - *Do not try to light any appliance.*
  - *Do not touch any electrical switch; do not use any phone in your building.*
  - *Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.*
  - *If you cannot reach your gas supplier, call the fire department.*
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

- *Check local codes and read all instructions prior to installation.*
- *Leave this manual with the owner.*

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General Information

This gas conversion kit contains the necessary components for field conversion of an approved Montigo fireplace from Natural Gas (NG) to Liquid Propane (LP). This kit is approved for use with the top and rear vent versions of the following **manufactured (mobile) home** models:

- DFSP
- DXFS
- DFSP-MH
- DXFS-MH

A manufactured (mobile) home OEM installation in the **United States** must conform with the Manufactured Home Construction and Safety Standard, *Title 24 CFR, Part 3280*, or, when such a standard is not applicable, the Standard for Manufactured Home Installations, *ANSI / NCSBCS A225.1*. In **Canada**, the installation must conform to the Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4.

The installation of this unit must also conform with local codes or, in the absence of local codes, with the **American** National Fuel Gas

WARNING!

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with this kit.

Parts List

Quantity	Description
1	Pilot orifice
1	Rear burner orifice
1	Front burner orifice
1	Gas control valve regulator assembly
1	Label for rating plate indicating conversion
1	Label for gas control valve indicating conversion
1	Rear Burner
1	Front Burner

Gas Conversion Instructions

Conversion

CAUTION - Before you begin:

1. Shut off gas at the shut-off valve.
2. Remove the glass door as shown in the installation instructions and remove the logs.

Front Burner:

3. On the DXFS and DFSP models, remove the clip that holds the left end of the burner tube on the burner bracket, remove the two screws securing the flame shaper, then lift the burner out of the bracket. See Figure 1.

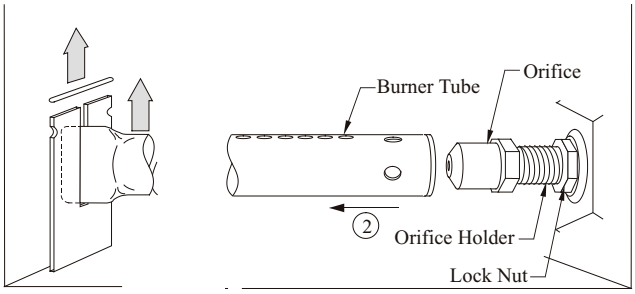


Figure 1. *Removing the burner tube and replacing the orifice.*

4. Carefully slide the front burner tube off the orifice (located inside the right end of the burner). See Figure 1.

   Replace the old orifice with the new orifice marked 'F' (front) from this kit. Tighten the new orifice until it is snug to prevent any leaks. **Refer to the conversion kit for orifice sizes.**

5. Remove the front log rest and set it aside.

Rear Burner:

6. Remove the clip that secures the rear burner to the firebox. Slide the rear burner tube off the orifice on the right-hand side. Unscrew the old orifice from the orifice holder, and replace it with the new orifice from this kit marked 'R' (rear). Tighten the new orifice until it is snug to prevent any leaks.

Pilot Assembly:

7. While you have the rear burner removed, unscrew the pilot hood counter-clockwise and remove the pilot orifice. Replace it with the new orifice supplied with this kit. Replace the pilot hood and tighten it clockwise, ensuring that it is back in its original position. (See figure 2.)

   The pilot orifice has a small marking on the side to indicate its size and which gas it is for. Ensure that you have the correct orifice in the pilot hood. (See figure 3.)

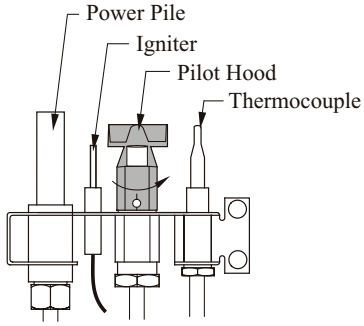


Figure 2. *The Pilot assembly. The pilot hood (shaded) can be unscrewed to access the pilot orifice.*

8. Re-install the new rear burner marked 'R' (rear) from this kit, and replace the clip and ensure that the pilot burner is correctly positioned. The pilot hood should aligned with the burner tube as shown in Figure 4.
9. Re-install the flame shaper and front log rest.
10. Re-install the new front burner marked 'F' (front) from this kit, and replace the clip.

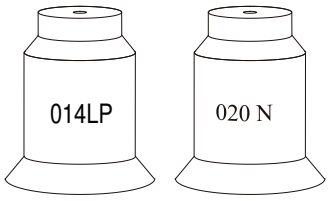


Figure 3. *Pilot orifices, showing identification markings.*

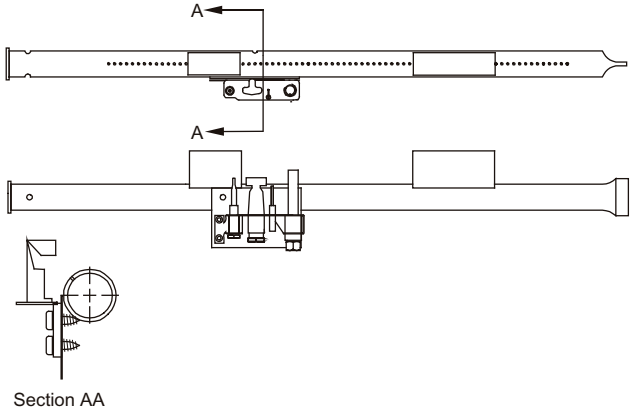


Figure 4. *Pilot burner location.*

Gas Conversion Instructions

Main Gas Control Regulator Screw:

11. The stove models use the Honeywell Hi/Lo gas control valve, which has a removable regulator screw. The kit will include a new regulator screw, the red screw is for Propane (LP) and the blue screw is for Natural Gas (NG). It is located in the middle of the hi/lo knob, replace it, and install the new regulator screw.

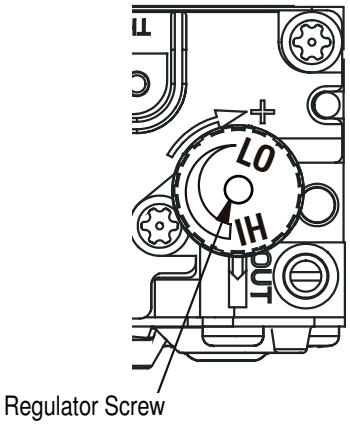


Figure 5. *Converting the Honeywell VS8520E regulator screw.*

12. The label (part no. XL0201) indicating that *the fireplace* has been converted for use with a different gas must be placed on the fireplace rating plate over top of the existing fuel type chart.

The label (part no. XL0200) indicating *who* converted the appliance must be filled out and placed on the base pan, directly under the gas valve.

Also place the label indicating that the *control valve* has been converted for use with a different gas.

Checking the Gas Pressure

To check the Inlet and Manifold gas pressures, a Water Column Pressure Gauge with 5/16" dia. tubing can be used. Make sure the gas shut-off valve is closed, then attach the gauge to the Manifold Pressure Test Connection by loosening the screw shown in Figure 6. The tubing must be tight in the connection to prevent gas leaks. Measure the Manifold Pressure and compare the value against the chart below.

Turn off the fireplace and close the shutoff valve. Remove the test

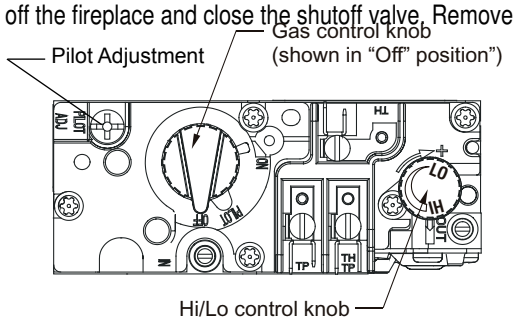


Figure 6. ***Honeywell VS8520E*** *gas valve.*

	Natural Gas	Liquid Propane
Manifold Pressure (min.)	3.5" W.C.	10" W.C.
Inlet Pressure (min.- max.)	5.5" - 14" W.C.	11" - 14" W.C.

" W.C. = inches water column

gauge. Re-tighten the test connection screw to prevent gas leakage.

Repeat the procedure for the Inlet Pressure.

If the pressure readings are not within the limits set out, contact the factory. If the pressure readings are correct, ensure that both test connection screws are tightened securely, to prevent a gas leak.

Pilot Burner Adjustment

1. Locate Pilot Adjustment Screw. *(See figure 6)*

2. Adjust pilot screw to provide properly sized flame as shown in *figure 7).* To increasethe flame, turn the screw counterclockwise. To decrease the flame, turn it clockwise. The flame should impinge on the thermocouple and thermopile.

3. After installing or servicing, leak test using a soap solution with main burner turned on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

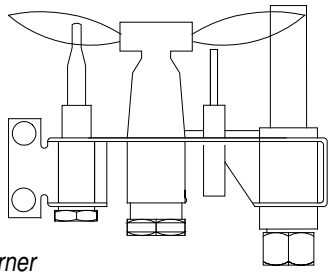


Figure 7. *Pilot Burner*

Operating Instructions

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

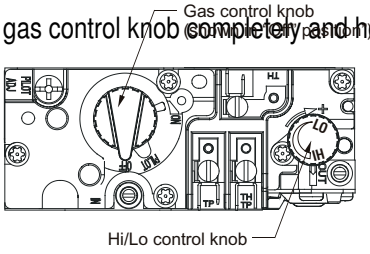
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Locate the gas control valve on the back left side of the unit.
3. Push in gas control knob and turn clockwise to "OFF."
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you then smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Locate pilot burner *(See illustration at right.)* and follow steps below.
6. Turn knob on gas control counterclockwise to "PILOT."
7. Push in gas control knob completely and hold. Light with Piezo Igniter button. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 3 through 8.
   - If knob does not pop up when released. Stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. Push in gas control knob and turn counterclockwise to "ON."
9. Turn on remote switch to ignite fire.



NOTE: Gas control knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Locate the gas control valve on the back left side of the unit
3. Push in gas control knob slightly and turn clockwise to "Off". Do not force.

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